ABLOY® PROTEC

The next generation of high security



ABLOY® PROTEC is the culmination of 90 years of world-leading development of the rotating disc cylinder.

The next generation of ABLOY® rotating disc cylinder

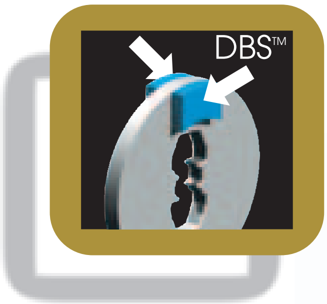
The unique, patented construction of the **ABLOY**® PROTEC rotating disc cylinder makes it virtually pickproof. Keys and discs use a new principle where cuts are made on two different radii. In addition, the return bars block the discs at 90° if the key and cylinder combinations are not identical.

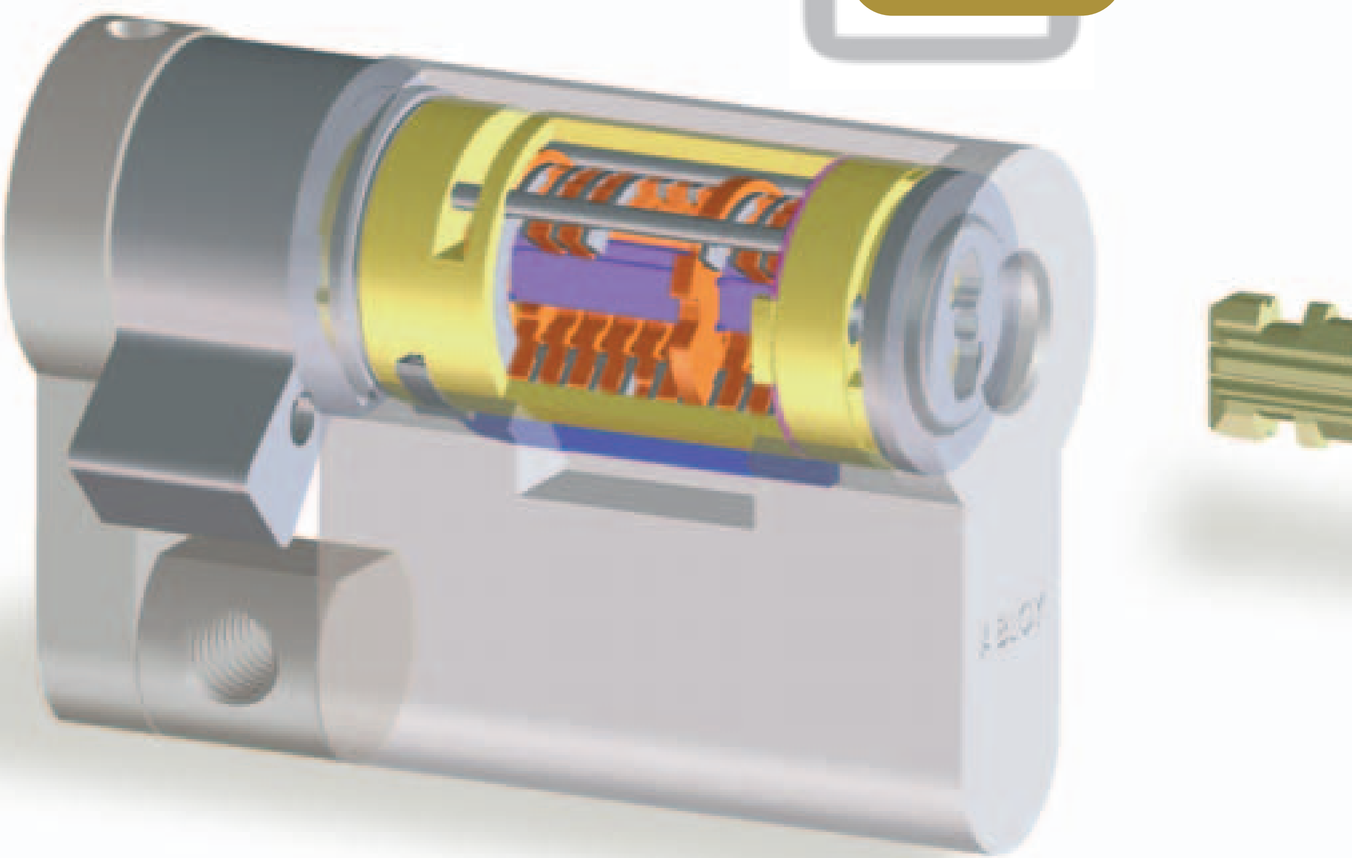
The **ABLOY**® PROTEC cylinder not only meets but exceeds international standards for high security including UL 437 and EN 1303.

1.97 billion different key combinations per keyway make it possible to create extensive master-key systems that fulfil your precise specifications.

- ☐ New patented rotating disc mechanism
- ☐ Unique disc blocking system DBS™ by return bars
- ☐ New cylinder construction makes **ABLOY**® PROTEC virtually pickproof
- ☐ No springs, pins or other parts to wear out
- ☐ Superior master-keying possibilities
- ☐ Smooth, durable and reliable operation that is resistant to both dirt and freezing

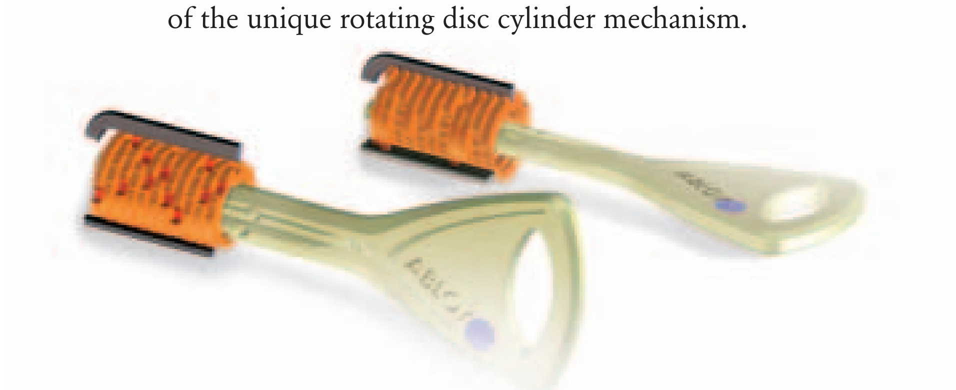
DBS™ stops any attempt to manipulate discs individually in the cylinder by locking the discs together as one solid package, thereby eliminating any attempts to manipulate or bypass the cylinder.





The highest level of physical protection for security applications

ABLOY® PROTEC is a new generation high-security cylinder positioned amongst the very best of commercially-available cylinders. **ABLOY**® PROTEC is the result of 90 years of development of the unique rotating disc cylinder mechanism.



- Strict key control: duplicate keys only with the key card
- Key blanks protected by world-wide patents
- Keys are cut using a dedicated **ABLOY**® key-cutting machine
- All metal key
- Convenient reversible key
- Colour insert for easy identification
- The key meets no resistance when it is inserted
- Virtually no key wear: no broken, bent or worn keys
- Key cuts on two radii (2R™)

Unique, patented cutting of keys on two radii (2R™ system) ensures keys can only be cut on a dedicated key cutting machine.





ABLOY® PROTEC

2R™ is a registered trademark of Abloy Oy

Meeting different standards

The exceptional master-keying capabilities and excellent local service and support make **ABLOY**® PROTEC the ideal choice for hospitals, universities and large industrial and government complexes. Retrofit cylinders can be supplied to fit most applications world-wide.

- DIN cylinders
- ANSI cylinders
- Scandinavian cylinders
- UK oval cylinders
- Australian oval cylinders
- Tubular deadbolts
- Finnish cylinders



Complete product range

ABLOY® PROTEC offers a full range of high security cylinders, deadbolts, industrial locks, cabinet locks, cam locks and padlocks.

One key fits all. All **ABLOY**® PROTEC products - door lock cylinders, padlocks, furniture and cam locks - can be keyed into the same master-key system using one key profile.

- ☐ Door lock cylinders
- ☐ Cam locks
- ☐ Furniture locks
- ☐ T-handle locks
- ☐ Micro switch locks
- ☐ Padlocks
- ☐ Key deposits



Key security

The **ABLOY**® PROTEC cylinder mechanism, keys and key blanks are protected by patents world-wide.

ABLOY® PROTEC offers several key profiles and various levels of key control to satisfy individual security requirements. **ABLOY**® PROTEC keys are made using a dedicated key-cutting machine and duplication of keys is always strictly controlled. Security is also optimised by the vast number of key combinations available with **ABLOY**® PROTEC.

Customer-restricted level
If an application so requires, exclusive key profiles can be made available. Duplication of keys can be controlled either by the **ABLOY**® factory or on an exclusive basis by the customer, allowing total in-house control.

Factory-restricted level
The supply of keys is controlled either by the **ABLOY**® factory or an **ABLOY**® sales office, ensuring maximum security. Customer personnel must submit a written authorisation to obtain duplicate keys.

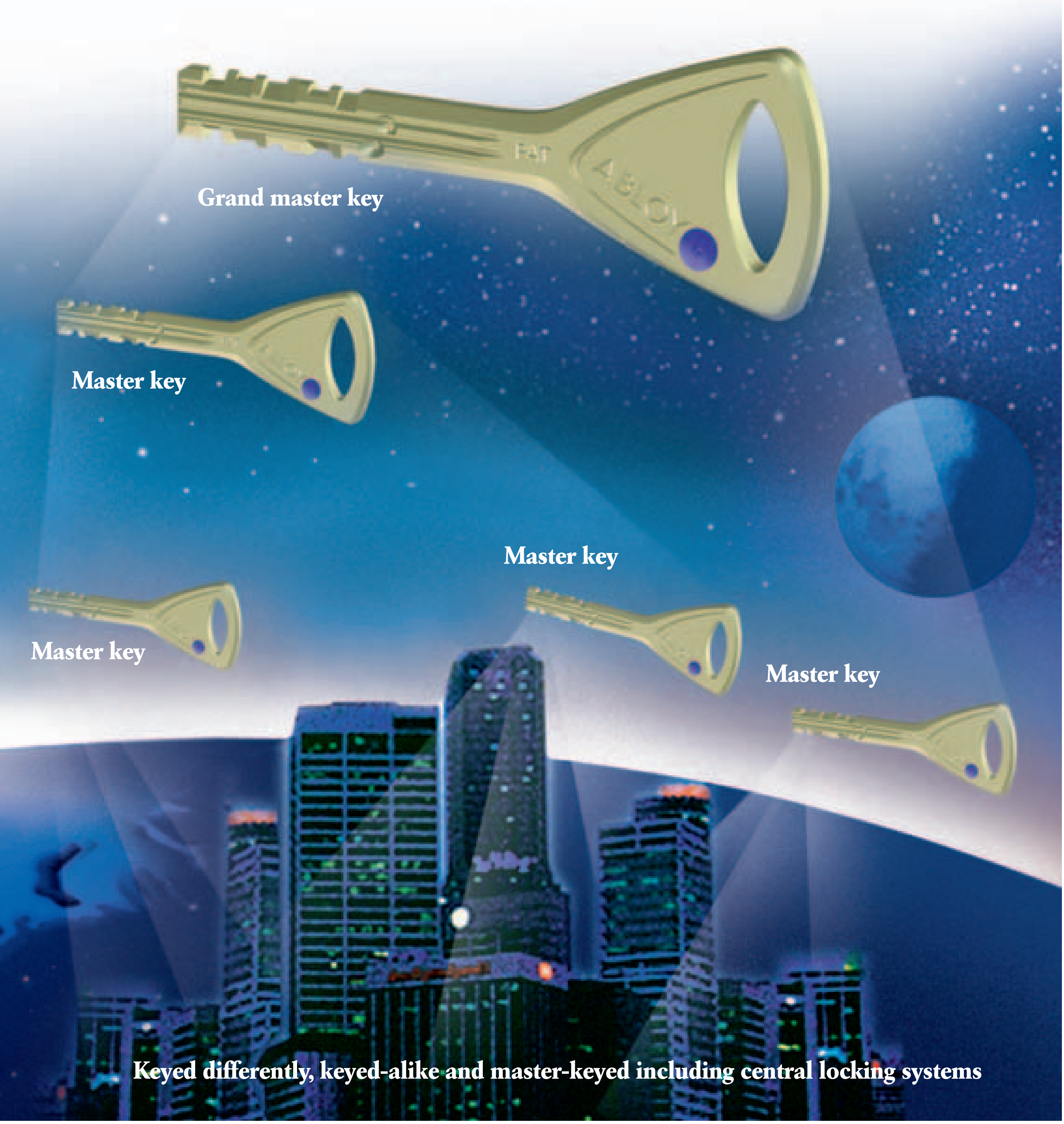
Authorised ABLOY® dealer level
Keys are supplied by an **ABLOY**® authorised security centre under a contractual agreement. This system is designed to maintain the integrity of the key control programme while allowing the provision of local service and support.



Superior master-keying possibilities

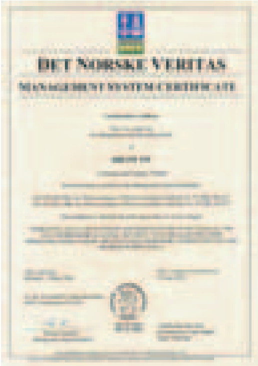
With 1.97 billion different combinations per keyway, the unique **ABLOY**® PROTEC rotating disc cylinder offers extensive master-keying possibilities and enables locking systems to include thousands of doors and employees. **ABLOY**® PROTEC is ideally suited for use within applications such as hospitals, universities and industrial complexes.

ABLOY® PROTEC



Keyed differently, keyed-alike and master-keyed including central locking systems

ABLOY® – the sign for security



The quality and environmental systems used by Abloy Oy guarantee that customers can be certain of **ABLOY**® quality in every field. We received our first Quality System Certificate - SFS-EN ISO 9001 - in 1989. Just eight years later, Abloy Oy was one of the first companies in Finland to be granted an SFS-EN-ISO 14001 Environmental System Certificate.

Our products are designed and manufactured not only to provide high levels of security, but also to be reliable, user-friendly and aesthetically pleasing. **ABLOY**® is your sign for security.



ABLOY® is a registered trademark of Abloy Oy, one of the leading manufacturers of locks, locking systems and architectural hardware and the world's leading developer of products in the field of electromechanical lock technology.

The unique **ABLOY**® detainer disc cylinder mechanism has several advantages over conventional locking mechanisms. Ever since its invention in 1907, it has been a symbol of high security and superior performance.

Our range consists of electromechanical locks, cam locks, padlocks, office furniture locks, rim locks, lock cases, cylinders for different types of mortice locks, door closers, door automatics and architectural hardware. **ABLOY**® locking solutions for every application are available from our world-wide network of distributors.

Customer-oriented development, combined with our long experience and extensive security expertise, mean that **ABLOY**® security solutions employ the very latest technology to meet your needs.

ABLOY®

www.abloy.com

Abloy Oy
Wahlforssinkatu 20
P.O. Box 108
FI-80101 JOENSUU
FINLAND
Tel. +358 20 599 2501
Fax +358 20 599 2209

ISO 9001
ISO 14001
DNV
CERTIFICATED FIRM

9312710 1/2005 5000 kpl. Suomen Painotuote, Joensuu

An ASSA ABLOY Group company

ASSA ABLOY

Abloy Oy is one of the leading manufacturers of locks, locking systems and architectural hardware and the world's leading developer of products in the field of electromechanical locking technology.

The ASSA ABLOY Group is the world's leading manufacturer and supplier of locking solutions, dedicated to satisfying end-user needs for security, safety and convenience.